

A P I ELECTRONICS INC  
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T-01-02  
T-2501 D

2.5-25 AMP, 50-600 VOLT  
TO-5, MODIFIED TO-5,  
TO-66, 1/2" PRESS FIT,  
1/2" PRESS FIT STUD

**PIRGO ELECTRONICS**  
**TRIACS**

- Control up to 5000 watts
- Economy line
- Replacement line

Type No.	I <sub>t</sub> (rms) Amp	V <sub>DRM</sub> Volts	I <sub>TSM</sub> Amps	I <sub>GTM</sub> ma	dv/dt Typ. V/μs	Package	Replacement Type No.	Economy Line Alternate
PT40525	2.5	100	25	3	5	TO-5	40525	
PT40526	2.5	200	25	3	5	TO-5	40526	
PT40527	2.5	400	25	3	5	TO-5	40527	
PT40528	2.5	100	25	10	10	TO-5	40528	
PT40529	2.5	200	25	10	10	TO-5	40529	
PT40530	2.5	400	25	10	10	TO-5	40530	
PTSC35F	3	50	30	50		1/2" Press Fit Stud	SC35F	
PTSC35A	3	100	30	50		1/2" Press Fit Stud	SC35A	
PTSC35B	3	200	30	50		1/2" Press Fit Stud	SC35B	
PTSC35D	3	400	30	50		1/2" Press Fit Stud	SC35D	
PTSC36F	3	50	30	50		1/2" Press Fit	SC36F	
PTSC36A	3	100	30	30		1/2" Press Fit	SC36A	
PTSC36B	3	200	30	50		1/2" Press Fit	SC36B	
PTSC36D	3	400	30	50		1/2" Press Fit	SC36D	
PT006*	6	50	100	80	30	1/2" Press Fit		
PT006-5*	6	50	100	80	30	TO-5 Modified		
PT006-66*	6	50	100	80	30	TO-66		
PT006S*	6	50	100	80	30	1/2" Press Fit Stud		
PTSC40F	6	50	50	50		1/2" Press Fit Stud	SC40F	PT006S
PTSC41F	6	50	50	50		1/2" Press Fit	SC41F	PT006
PT106*	6	100	100	80	30	1/2" Press Fit		
PT106-5*	6	100	100	80	30	TO-5 Modified		
PT106-66*	6	100	100	80	30	TO-66		
PT106S*	6	100	100	80	30	1/2" Press Fit Stud		
PTSC40A	6	100	50	50		1/2" Press Fit Stud	SC40A	PT106S
PTSC41A	6	100	50	50		1/2" Press Fit	SC41A	PT106
PT206*	6	200	100	80	30	1/2" Press Fit		
PT206-5*	6	200	100	80	30	TO-5 Modified		
PT206-66*	6	200	100	80	30	TO-66		
PT206S*	6	200	100	80	30	1/2" Press Fit Stud		
PTSC40B	6	200	50	50		1/2" Press Fit Stud	SC40B	PT206S
PTSC41B	6	200	50	50		1/2" Press Fit	SC41B	PT206
PT40429	6	200	100	40	150	TO-66	40420	PT206-66
PT40485	6	200	100	40	150	TO-5 Modified	40485	PT206-5
PT406*	6	400	100	80	20	1/2" Press Fit		
PT406-5*	6	400	100	80	20	TO-5 Modified		
PT406-66*	6	400	100	80	20	TO-66		
PT406S*	6	400	100	80	20	1/2" Press Fit Stud		
PTSC40D	6	400	50	50		1/2" Press Fit Stud	SC40D	PT406S
PTSC41D	6	400	50	50		1/2" Press Fit Stud	SC41D	PT406
PT40430	6	400	100	40	100	TO-66	40430	PT406-66
PT40486	6	400	100	40	100	TO-5 Modified	40486	PT406-5
PT506*	6	500	100	80	20	1/2" Press Fit		
PT506-5*	6	500	100	80	20	TO-5 Modified		
PT506-66*	6	500	100	80	20	TO-66		
PT506S*	6	500	100	80	20	1/2" Press Fit Stud		
PTSC40E	6	500	50	50		1/2" Press Fit Stud	SC40E	PT506S
PTSC41E	6	500	50	50		1/2" Press Fit Stud	SC41E	PT506
PT606*	6	600	100	80	20	1/2" Press Fit		
PT606-5*	6	600	100	80	20	TO-5 Modified		
PT606-66*	6	600	100	80	20	TO-66		
PT606S*	6	600	100	80	20	1/2" Press Fit Stud		
PT010*	10	50	100	100	40	1/2" Press Fit		
PT010S*	10	50	100	100	40	1/2" Press Fit Stud		

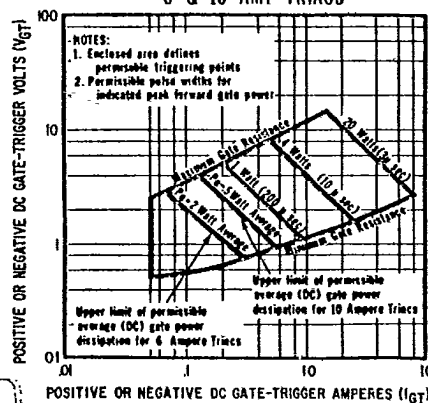
\* Economy Line

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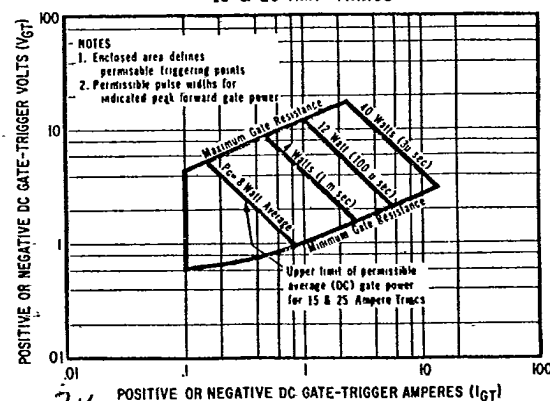
Type No.	I <sub>t</sub> (rms) Amp	V <sub>DROM</sub> Volts	I <sub>TSM</sub> Amps	I <sub>GTM</sub> ma	dv/dt Typ. V/μs	Package	Replacement Type No.	Economy Line Alternate
PTSC45F	10	50	80	50		½" Press Fit Stud	SC45F	PT010S
PTSC46F	10	50	80	50		½" Press Fit	SC46F	PT010
PT110*	10	100	100	100	40	½" Press Fit		
PT110S*	10	100	100	100	40	½" Press Fit Stud		
PTSC45A	10	100	80	50		½" Press Fit Stud	SC45A	PT110S
PTSC46A	10	100	80	50		½" Press Fit	SC46A	PT110
PT210	10	200	100	100	40	½" Press Fit		
PT210S*	10	200	100	100	40	½" Press Fit Stud		
PTSC45B	10	200	80	50		½" Press Fit Stud	SC45B	PT210S
PTSC46B	10	200	80	50		½" Press Fit	SC46B	PT210
PT410	10	400	100	100	30	½" Press Fit		
PT410S*	10	400	100	100	30	½" Press Fit Stud		
PTSC45D	10	400	80	50		½" Press Fit Stud	SC45D	PT410S
PTSC46D	10	400	80	50		½" Press Fit	SC46D	PT410
PT510*	10	500	100	100	30	½" Press Fit		
PT510S*	10	500	100	100	30	½" Press Fit Stud		
PTSC45E	10	500	80	50		½" Press Fit Stud	SC45E	PT510S
PTSC46E	10	500	80	50		½" Press Fit	SC46E	PT510
PT610*	10	600	100	100	30	½" Press Fit		
PT610S*	10	600	100	100	30	½" Press Fit Stud		
PT015*	15	50	100	100	40	½" Press Fit		
PT015S*	15	50	100	100	40	½" Press Fit Stud		
PTSC50F	15	50	100	50		½" Press Fit Stud	SC50F	PT015S
PTSC51F	15	50	100	50		½" Press Fit	SC51F	PT015
PT115*	15	100	100	100	40	½" Press Fit		
PT115S*	15	100	100	100	40	½" Press Fit Stud		
PTSC50A	15	100	100	50		½" Press Fit Stud	SC50A	PT115S
PTSC51A	15	100	100	50		½" Press Fit	SC51A	PT115
PT215*	15	200	100	100	40	½" Press Fit		
PT215S*	15	200	100	100	40	½" Press Fit Stud	SC50B	PT215S
PTSC51B	15	200	100	50		½" Press Fit	SC51B	PT215
PT40575	15	200	100	80	40	TO-66	40575	
PT415*	15	400	100	100	30	½" Press Fit		
PT415S*	15	400	100	100	30	½" Press Fit Stud		
PTSC50D	15	400	100	50		½" Press Fit Stud	SC50D	PT415S
PTSC51D	15	400	100	50		½" Press Fit	SC51D	PT415
PT40576	15	400	100	80	40	TO-66	40576	
PT515*	15	500	100	100	30	½" Press Fit		
PT515S*	15	500	100	100	30	½" Press Fit Stud		
PTSC50E	15	500	100	50		½" Press Fit Stud	SC50E	PT515S
PTSC51E	15	500	100	50		½" Press Fit	SC51E	PT515
PT615*	15	600	100	100	30	½" Press Fit		
PT615S*	15	600	100	100	30	½" Press Fit Stud		
PT025*	25	50	250	100	40	½" Press Fit		
PT025S*	25	50	250	100	40	½" Press Fit Stud		
PT125*	25	100	250	100	40	½" Press Fit		
PT125S*	25	100	250	100	40	½" Press Fit Stud		
PT225*	25	200	250	100	40	½" Press Fit		
PT225S*	25	200	250	100	40	½" Press Fit Stud		
PT425*	25	400	250	100	25	½" Press Fit		
PT425S*	25	400	250	100	25	½" Press Fit Stud		

### Economy Line

### GATE PULSE CHARACTERISTICS 6 & 10 AMP TRIACS



### GATE PULSE CHARACTERISTICS 15 & 25 AMP TRIACS



2215

$$PT = -2x$$